

For EPA Regional Use Only	<h1 style="margin: 0;">EPA</h1> <p style="margin: 0;">United States Environmental Protection Agency Washington, DC 20460</p> <h2 style="margin: 0;">Hazardous Waste Permit Application Part A</h2> <p style="margin: 0;">(Read the Instructions before starting)</p>	
Date Received Month Day Year		
I. Installation's EPA ID Number (Mark 'X' in the appropriate box)		
<input type="checkbox"/> A. First Part A Submission	<input checked="" type="checkbox"/> B. Part A Amendment # 7	
C. Installation's EPA ID Number CAD097854541	D. Secondary ID Number (If applicable)	
II. Name of Facility GOLDEN STATE RESOURCE, LLC		
III. Facility Location (Physical address not P.O. Box or Route Number)		
A. Street 2700 SOUTH INDIANA STREET Street (Continued)		
City or Town VERNON	State CA	Zip Code 90023
County Code (if known)	County Name LOS ANGELES	
B. Land Type (Enter code) P	C. Geographic Location LATITUDE (Degrees, Minutes, & Seconds) 34, 00, 22 LONGITUDE (Degrees, Minutes & Seconds) 118, 11, 48	D. Facility Existence Date Month Day Year 1922
IV. Facility Mailing Address		
Street or P.O. Box P.O. BOX 23957		
City or Town LOS ANGELES	State CA	Zip Code 90023-1101
V. Facility Contact (Person to be contacted regarding waste activities at facility)		
Name (Last) MARZOLINO	(First) JAMES	
Job Title ENVIRONMENTAL MANAGER	Phone Number (Area Code and Number) 323-262-1101 x259	
VI. Facility Contact Address (See instructions)		
A. Contact Address Location Mailing Other <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	B. Street or P.O. Box	
City or Town	State	Zip Code

Please print or type with ELITE type (12 characters per inch) in the unshaded areas only

EPA I.D. Number (Enter from page 1)

Secondary ID Number (Enter from page 1)

CAD097854541

VII. Operator Information (See instructions)

Name of Operator

GOLDEN STATE RESOURCE LLC

Street or P.O. Box

2700 SOUTH INDIANA STREET

City or Town

State

ZIP Code

VERNON

CA

90023

Phone Number (Area Code and Number)

323-262-1101

B. Operator Type

P

C. Change of Operator Indicator

Yes

X

No

Date Changed
Month Day Year

VIII. Facility Owner (See instructions)

A. Name of Facility's Legal Owner

GOLDEN STATE RESOURCE LLC

Street or P.O. Box

2700 SOUTH INDIANA STREET

City or Town

State

ZIP Code

VERNON

CA

90023

Phone Number (Area Code and Number)

323-262-1101

B. Owner Type

P

C. Change of Owner Indicator

Yes

X

No

Date Changed
Month Day Year

IX. SIC Codes (4-digit, in order of significance)

Primary

Secondary

3341

(Description)

LEAD SMELTING & REFINING,

SECONDARY

(Description)

Secondary

Secondary

(Description)

(Description)

X. Other Environmental Permits (See instructions)

A. Permit Type
(Enter code)

B. Permit Number

C. Description

E

044551 SCAQMD PERMIT

FACILITY PERMIT TO OPERATE

E

0202 CITY OF VERNON HEALTH PERMIT

WASTE PROCESSING FACILITY

E

6244 CITY OF VERNON HEALTH PERMIT

HAZARDOUS MATERIALS CLASS C

E

11092R-1 INDUSTRIAL WASTEWATER

L.A. COUNTY SANITATION DISTRICT

DISCHARGE REGISTRATION NUMBER

EPA I.D. Number (Enter from page 1)

Secondary ID Number (Enter from page 1)

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XI. Nature of Business (Provide a brief description)

SEE ATTACHMENT A

XII. Process Codes and Design Capacities

- A. **PROCESS CODE** - Enter the code from the list of process codes below that best describes each process to be used at the facility. Thirteen lines are provided for entering codes. If more lines are needed, attach a separate sheet of paper with the additional information. For "other" processes (i.e., D99, S99, T04 and X99), describe the process (including its design capacity) in the space provided in item XIII.
- B. **PROCESS DESIGN CAPACITY** - For each code entered in column A, enter the capacity of the process.
1. **AMOUNT** - Enter the amount. In a case where design capacity is not applicable (such as in a closure/post-closure or enforcement action) enter the total amount of waste for that process.
 2. **UNIT OF MEASURE** - For each amount entered in column B(1), enter the code from the list of unit measure codes below that describes the unit of measure used. Only the units of measure that are listed below should be used.
- C. **PROCESS TOTAL NUMBER OF UNITS** - Enter the total number of units used with the corresponding process code.

PROCESS CODE			PROCESS			APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY		
D79			<u>Disposal:</u> Underground Injection			Gallons; Liters; Gallons Per Day; or Liters Per Day		
D80			Landfill			Acre-feet or Hectare-meter		
D81			Land Treatment			Acres or Hectares		
D82			Ocean Disposal			Gallons Per Day r Liters Per Day		
D83			Surface Impoundment			Gallons or Liters		
D99			Other Disposal			Any Unit of Measure Listed Below		
S01			<u>Storage:</u> Container (Barrel, Drum, Etc.)			Gallons or Liters		
S02			Tank			Gallons or Liters		
S03			Waste Pile			Cubic Yards or Cubic Meters		
S04			Surface Impoundment			Gallons or Liters		
S05			Drip Pad			Gallons or Liters		
S06			Containment Building-Storage			Cubic Yards or Cubic Meters		
S99			Other Storage			Any Unit of Measure Listed Below		
T01			<u>Treatment:</u> Tank			Gallons Per Day or Liters Per Day		
T02			Surface Impoundment			Gallons Per Day or Liters Per Day		
T03			Inclinerator			Short Tons Per Hour; Metric Tons Per Hour; Gallons Per Hour; Liters Per Hour; or Btu's Per Hour		
T04			Other Treatment			Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Metric Tons Per Hour; Short Tons Per Day; or Btu's Per Hour		
T80			Boiler			Gallons or Liters		
T81			Cement Kiln			Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Metric Tons Per Hour; Short Tons Per Day; or Btu's Per Hour		
T82			Lime Kiln			Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Metric Tons Per Hour; Short Tons Per Day; or Btu's Per Hour		
T83			Aggregate Kiln			Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Metric Tons Per Hour; Short Tons Per Day; or Btu's Per Hour		
T84			Phosphate Kiln			Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Metric Tons Per Hour; Short Tons Per Day; or Btu's Per Hour		
T85			Coke Oven			Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Metric Tons Per Hour; Short Tons Per Day; or Btu's Per Hour		
T86			Blast Furnace			Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Metric Tons Per Hour; Short Tons Per Day; or Btu's Per Hour		
T87			Smelting, Melting, Or Refining Furnace			Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Metric Tons Per Hour; Short Tons Per Day; or Btu's Per Hour		
T88			Titanium Dioxide Chloride Process Oxidation Reactor					
T89			Methane Reforming Furnace					
T90			Pulping Liquor Recovery Furnace					
T91			Combustion Device Used In The Recovery Of Sulfur Values From Spent Sulfuric Acid					
T92			Halogen Acid Furnaces			Cubic Yards or Cubic Meters		
T93			Other Industrial Furnaces Listed in 40 CFR §260.10					
T94			Containment Building-Treatment			Cubic Yards or Cubic Meters		
X01			<u>Miscellaneous (Subpart X):</u> Open Burning/Open Detonation			Any Unit of Measure Listed Below		
X02			Mechanical Processing			Short Tons Per Hour; Metric Tons Per Hour; Short Tons Per Day; Metric Tons Per Day; Pounds Per Hour; or Kilograms Per Hour		
X03			Thermal Unit			Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Metric Tons Per Hour; Short Tons Per Day; or Btu's Per Hour		
X04			Geologic Repository			Cubic Yards or Cubic Meters		
X99			Other Subpart X			Any Unit of Measure Listed Below		

UNIT OF MEASURE	UNIT OF MEASURE CODE	UNIT OF MEASURE	UNIT OF MEASURE CODE	UNIT OF MEASURE	UNIT OF MEASURE CODE
Gallons.....	G	Short Tons Per Hour	D	Cubic Yards	Y
Gallons Per Hour	E	Metric Tons Per Hour	W	Cubic Meters	C
Gallons Per Day	U	Short Tons Per Day	N	Acres	B
Liters	L	Metric Tons Per Day	S	Acre-feet	A
Liters Per Hour	H	Pounds Per Hour	J	Hectares	Q
Liters Per Day	V	Kilograms Per Hour	R	Hectare-meter	F
				Btu's Per Hour	I

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XII. Process Codes and Design Capabilities (Continued)

EXAMPLE FOR COMPLETING ITEM XII (Shown in line number X-1 below): A facility has a storage tank, which can hold 533.788 gallons.

Line Number	A. Process Code (From list above)				B. PROCESS DESIGN CAPACITY		C. Process Total Number Of Units	For Official Use Only					
					1. Amount (Specify)	2. Unit Of Measure (Enter code)							
X 1	S	0	2		533.788	G	001						
1	S	0	1		180.060	G	001						
2	S	0	1		39.250	G	001						
3	S	0	1		18.530	G	001						
4	S	0	1		77.712	G	001						
5	S	0	2		1.683	G	001						
6	S	0	2		1.615	G	001						
7	T	0	1		310.000	U	001						
8	T	0	1		310.000	U	001						
9	T	0	1		310.000	U	001						
10	S	0	2		13.535	G	001						
11	S	0	2		11.844	G	001						
12	T	0	1		310.000	U	001						
13	T	0	1		310.000	U	001						

NOTE: If you need to list more than 13 process codes, attach an additional sheet(s) with the information in the same format as above. Number the lines sequentially, taking into account any lines that will be used for "other" processes (i.e., D99, S99, T04 and X99) in item XIII.

XIII. Other Processes (Follow instructions from item XII for D99, S99, T04 and X99 process codes)

Line Number (Enter #s in seg w/XII)	A. Process Code (From list above)				B. PROCESS DESIGN CAPACITY		C. Process Total Number Of Units	D. Description Of Process
					1. Amount (Specify)	2. Unit Of Measure (Enter code)		
X 1	T	0	4					In-situ Vitrification
1								
2								
3								
4								

ADDITIONAL SHEET FOR ITEM XII

Line Number		A. Process Code			B. PROCESS DESIGN CAPACITY		C. Process Total Number Of Units	For Official Use Only					
					1. Amount	2. Unit Of Measure							
1	4	S	0	2	3.209	G	001						
1	5	S	0	2	47.378	G	001						
1	6	T	0	1	310.000	U	001						
1	7	T	0	1	310.000	U	001						
1	8	S	0	2	3.008	G	001						
1	9	S	0	2	8.589	G	001						
2	0	T	0	1	310.000	U	001						
2	1	T	0	1	310.000	U	001						
2	2	S	0	2	39.020	G	001						
2	3	S	0	2	39.020	G	001						
2	4	T	0	1	43.200	U	001						
2	5	T	0	1	43.200	U	001						
2	6	T	0	1	310.000	U	001						
2	7	T	0	1	310.000	U	001						
2	8	T	0	1	310.000	U	001						
2	9	T	0	1	310.000	U	001						
3	0	S	0	2	34.591	G	001						
3	1	S	0	2	1.600	G	001						
3	2	S	0	2	1.600	G	001						
3	3	S	0	6	4.379,6	Y	001						
3	4	S	0	6	- 1.486	Y	001						
3	5	S	0	2	3.321	G	001						
3	6	X	0	3	450	N	001						
3	7	X	0	3	250	N	001						
3	8	S	0	2	479	G	001						
3	9	S	0	2	202	G	001						
4	0	X	0	2	53	D	001						
4	1	T	0	1	1.440	U	001						
4	2	X	0	2	310.000	U	001						
4	3	X	0	2	310.000	U	001						
4	4	X	0	2	310.000	U	001						
4	5	X	0	2	310.000	U	001						

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XIV. Description of Hazardous Wastes

- A. EPA HAZARDOUS WASTE NUMBER - Enter the four-digit number from 40 CFR, Part 261 Subpart D of each listed hazardous waste you will handle. For hazardous wastes which are not listed in 40 CFR, Part 261 Subpart D, enter the four-digit number(s) from 40 CFR, Part 261 Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.
- B. ESTIMATED ANNUAL QUANTITY - For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.
- C. UNIT OF MEASURE - For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
POUNDS	P	KILOGRAMS	K
TONS	T	METRIC TONS	M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

D. PROCESSES

1. PROCESS CODES:

For listed hazardous waste: For each listed hazardous waste entered in column A select the code(s) from the list of process codes contained in item XII A. on page 3 to indicate how the waste will be stored, treated, and/or disposed of at the facility.

For non-listed hazardous waste: For each characteristic or toxic contaminant entered in column A, select the code(s) from the list of process codes contained in item XII A. on page 3 to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed hazardous wastes that possess that characteristic or toxic contaminant.

NOTE: THREE SPACES ARE PROVIDED FOR ENTERING PROCESS CODES. IF MORE ARE NEEDED:

- Enter the first two as described above.
- Enter "000" in the extreme right box of item XIV-D(1).
- Enter in the space provided on page 7, Item XIV-E, the line number and the additional code(s).

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form (D.(2)).

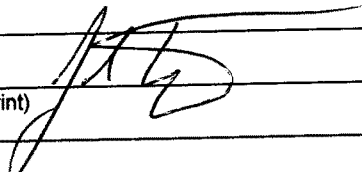
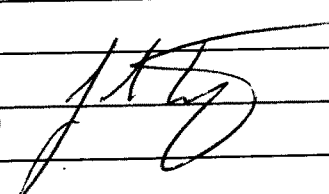
NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER - Hazardous wastes that can be described by more than one EPA Hazardous Waste Number shall be described on the form as follows:

- Select one of the EPA Hazardous Waste Numbers and enter it in column A. On the same line complete columns B, C and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
- In column A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In column D(2) on that line enter "included with above" and make no other entries on that line.
- Repeat step 2 for each EPA Hazardous Waste Number that can be used to describe the hazardous waste.

EXAMPLE FOR COMPLETING ITEM XIV (shown in line numbers X-1, X-2, X-3, and X-4 below) - A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an Incinerator and disposal will be in a landfill.

Line Number	A. EPA HAZARD WASTE NO. (Enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (Enter code)	D. PROCESS									
				(1) PROCESS CODES (Enter code)						(2) PROCESS DESCRIPTION (If a code is not entered in D(1))			
X 1	K 0 5 4	900	P	T	0	3	D	8	0				
X 2	D 0 0 2	400	P	T	0	3	D	8	0				
X 3	D 0 0 1	100	P	T	0	3	D	8	0				
X 4	D 0 0 2												Included With Above

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CAD097854541																			
XIV. Description of Hazardous Wastes (Continued)																			
Line Number	A. EPA HAZARD WASTE NO. (Enter code)				B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (Enter code)	D. PROCESSES												
	(1) PROCESS CODES (Enter code)						(2) PROCESS DESCRIPTION (If a code is not entered in D(1))												
1	K	0	6	9	2,160	T	S	0	2	T	0	1	S	0	6	X03			
2	SPENT LEAD-ACID BATTERIES:																		
3	D	0	0	8	200,000	T	S	0	1	T	0	1	S	0	2	S06, X03			
4	D	0	0	2	INCLUDED	ABOVE													
5	D	0	0	4	INCLUDED	ABOVE													
6	D	0	0	6	INCLUDED	ABOVE													
7	BATTERY MANUFACTURING PLANT SCRAP:																		
8	D	0	0	8	15,000	T	S	0	1	S	0	6	X	0	3				
9	D	0	0	4	INCLUDED	ABOVE													
10	D	0	0	6	INCLUDED	ABOVE													
11	D	0	0	2	INCLUDED	ABOVE													
12	WASTEWATER:																		
13	D	0	0	8	160,475	T	S	0	2	T	0	1							
14	WASTEWATER SLUDGE:																		
15	D	0	0	8	2,040	T	S	0	2	S	0	6	X	0	3				
16	D	0	0	4	INCLUDED	ABOVE													
17	D	0	0	6	INCLUDED	ABOVE													
18																			
19																			
20																			
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33																			

EPA I.D. Number (Enter from page 1) CAD097854541	Secondary ID Number (Enter from page 1)
XV. Map <i>Attach to this application a topographic map, or other equivalent map, of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers and other surface water bodies in this map area. See instructions for precise requirements.</i>	
XVI. Facility Drawing <i>All existing facilities must include a scale drawing of the facility (see instructions for more detail).</i>	
XVII. Photographs <i>All existing facilities must include photographs (aerial or ground-level) that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas (see instructions for more detail).</i>	
XVIII. Certification(s) <i>I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.</i>	
Owner Signature 	Date Signed 2/22/99
Name and Official Title (Type or print) JOHN TAPPER VICE PRESIDENT	
Owner Signature	Date Signed
Name and Official Title (Type or print)	
Operator Signature 	Date Signed 2/22/99
Name and Official Title (Type or print) JOHN TAPPER VICE PRESIDENT	
Operator Signature	Date Signed
Name and Official Title (Type or print)	
XIX. Comments	
ATTACHMENT B - FACILITY DRAWING	
ATTACHMENT C - REGULATED UNIT DESCRIPTIONS	
ATTACHMENT D - SOLID WASTE MANAGEMENT UNIT SUMMARY	
ATTACHMENT E - CERTIFICATION & SIGNATURE	
Note: Mail completed form to the appropriate EPA Regional or State Office. (Refer to Instructions for more information)	

ATTACHMENT A

ATTACHMENT A

Item XI of the Part A Application —

The Nature of the Business of Lead-Acid Battery Reclamation

The life cycle of a battery begins with its construction at the manufacturing plant, followed by the purchase and use of the battery for electrical ignition. The average life of an automotive battery is approximately three years. Once the battery can no longer hold a charge, the "dead," "spent," or "junk" battery is typically returned to the retailer at the time of replacement purchase. The retailer may accumulate a trailer load before either shipping the batteries back to a manufacturer's collection point, scrap dealer, or directly to a secondary lead plant (battery recycling plant). Batteries are stored at a secondary lead recycling plant before being separated into their constituent parts. The lead smelted and recovered from the spent batteries is primarily used at a battery manufacturing plant to produce new batteries. The plastic battery case material is also reclaimed and used to produce new battery cases.

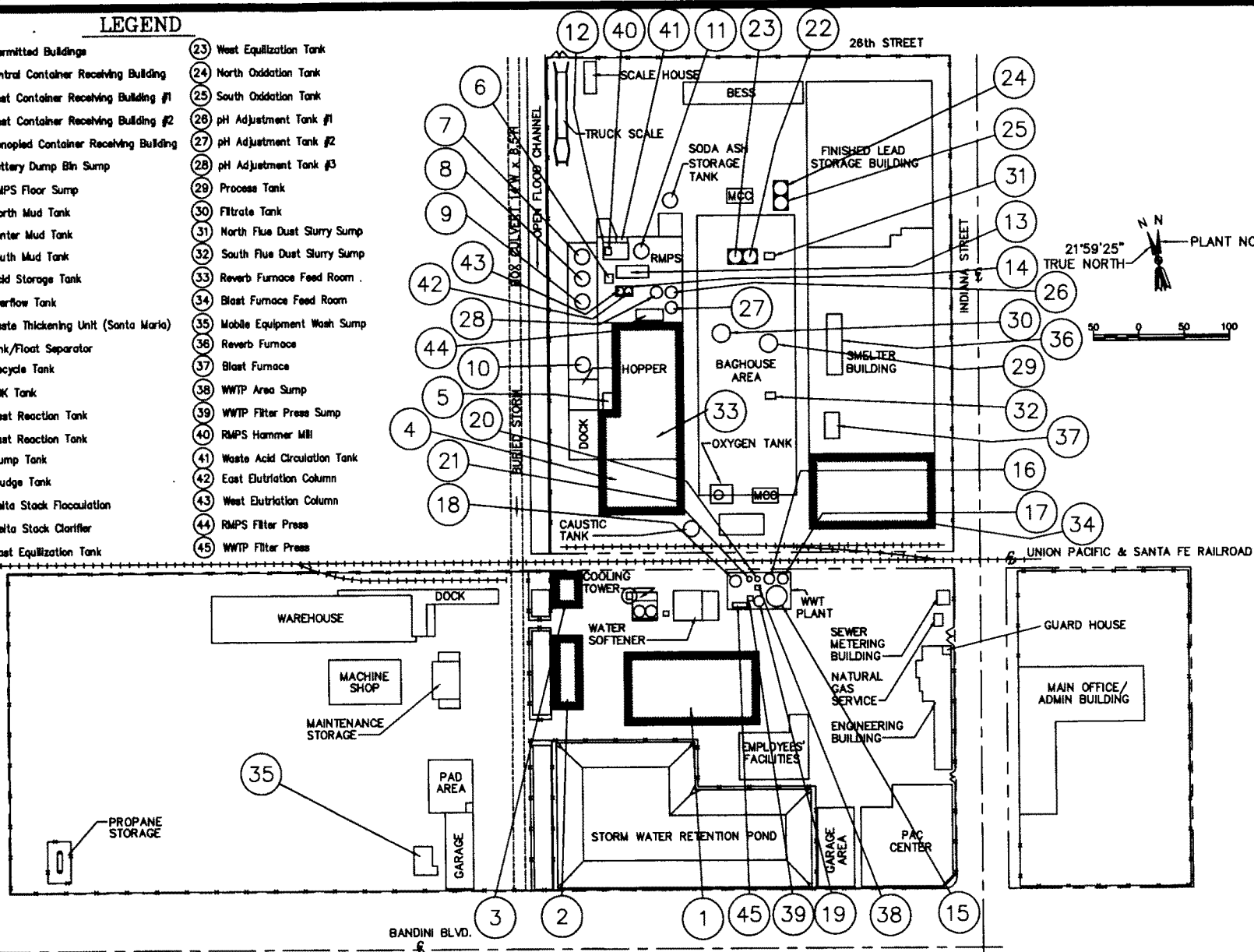
Due to a drop in lead prices and an increase in the cost of production, less than half of the secondary lead recyclers in the United States in business in 1980 are still operating today. However, the number of used batteries being generated has increased with population growth and will continue to do so with the increased use of electric vehicles.

The resource recycling plant in Vernon, California has an average production of 100,000 tons of lead per year with a maximum production capacity of 215,000 tons per year. This maximum production capacity is equivalent to recycling approximately 19.5 million automotive batteries per year. The plant also recycles lead bearing plant scrap, primarily from lead-acid battery manufacturers.

ATTACHMENT B

LEGEND

- | | |
|---|--------------------------------|
| 1 Central Container Receiving Building | 23 West Equilization Tank |
| 2 West Container Receiving Building #1 | 24 North Odorization Tank |
| 3 West Container Receiving Building #2 | 25 South Odorization Tank |
| 4 Conopied Container Receiving Building | 26 pH Adjustment Tank #1 |
| 5 Battery Dump Bin Sump | 27 pH Adjustment Tank #2 |
| 6 RMPS Floor Sump | 28 pH Adjustment Tank #3 |
| 7 North Mud Tank | 29 Process Tank |
| 8 Center Mud Tank | 30 Filtrate Tank |
| 9 South Mud Tank | 31 North Flue Dust Slurry Sump |
| 10 Acid Storage Tank | 32 South Flue Dust Slurry Sump |
| 11 Overflow Tank | 33 Reverb Furnace Feed Room |
| 12 Paste Thickening Unit (Santa Maria) | 34 Blast Furnace Feed Room |
| 13 Sink/Float Separator | 35 Mobile Equipment Wash Sump |
| 14 Recycle Tank | 36 Reverb Furnace |
| 15 50K Tank | 37 Blast Furnace |
| 16 West Reaction Tank | 38 WWTP Area Sump |
| 17 East Reaction Tank | 39 WWTP Filter Press Sump |
| 18 Pump Tank | 40 RMPS Hammer Mill |
| 19 Sludge Tank | 41 Waste Acid Circulation Tank |
| 20 Delta Stock Flocculation | 42 East Elutriation Column |
| 21 Delta Stock Clarifier | 43 West Elutriation Column |
| 22 East Equilization Tank | 44 RMPS Filter Press |
| | 45 WWTP Filter Press |



PLANT PLOT PLAN

ATTACHMENT C

**ATTACHMENT C
REGULATED UNIT DESCRIPTIONS**

Unit No.	Unit Description	Content	Waste Codes		Tank/Unit Size	Tank/Unit Material	Capacity	Treatment Rate	Treatment Type	Overfill Protection	Secondary Containment
			CA	RCRA							
1	Central Container Receiving Building	Spent lead-acid batteries; lead-bearing plant scrap	181, 724, 792, 171, 172	D002, D004, D006, D008	80 feet x 150 feet	Acid resistant epoxy coated, sloped reinforced concrete	168,510 batteries and 210 drums or a total of 180,060 gallons	Not applicable	Not applicable	Operational procedures	Independently sloped to collection point, which drains to Battery Dump Bin Sump Area Minimum capacity: 12,638 gallons
2	West Container Receiving Building #1	Spent lead-acid batteries; lead-bearing plant scrap	181, 724, 792, 171, 172	D002, D004, D006, D008	34 feet x 80 feet	Acid resistant epoxy coated, sloped reinforced concrete	36,610 batteries and 48 drums or a total of 39,250 gallons	Not applicable	Not applicable	Operational procedures	Independently sloped to collection point, which drains to Battery Dump Bin Sump Area Minimum capacity: 2,746 gallons
3	West Container Receiving Building #2	Spent lead-acid batteries; lead-bearing plant scrap	181, 724, 792, 171, 172	D002, D004, D006, D008	34 feet x 38 feet	Acid resistant epoxy coated, sloped reinforced concrete	17,210 batteries and 24 drums or a total of 18,530 gallons	Not applicable	Not applicable	Operational procedures	Independently sloped to collection point, which drains to Battery Dump Bin Sump Area Minimum capacity: 1,291 gallons
4	Canopied Container Receiving Building	Spent lead-acid batteries; lead-bearing plant scrap	181, 724, 792, 171, 172	D002, D004, D006, D008	60 feet x 91 feet	Sloped reinforced concrete	72,762 batteries and 90 drums or a total of 77,712 gallons	Not applicable	Not applicable	Operational procedures	Independently sloped to collection point, which drains to Battery Dump Bin Sump Area Minimum capacity: 5,457 gallons
5	Battery Dump Bin Sump	24% sulfuric acid solution	724, 792	D002, D008	5'-0" x 9'-0" x 5'-0"	Double-walled stainless steel	1,683 gallons	Not applicable	Not applicable	Level controller	Not applicable - double-walled tank

ATTACHMENT C (CONT.)

Unit No.	Unit Description	Content	Waste Codes		Tank/Unit Size	Tank/Unit Material	Capacity	Treatment Rate	Treatment Type	Overfill Protection	Secondary Containment
			CA	RCRA							
6	RMPS Floor Sump	Sodium sulfate solution	132	D002, D008	4'-0" x 9'-0" x 6'-0"	Double-walled stainless steel	1,615 gallons	Not applicable	Not applicable	Level controller	Not applicable - double-walled tank
7	North Mud Tank	Lead oxide; lead sulfate; lead carbonate; sodium sulfate; sodium carbonate	171, 132	D002, D004, D006, D008	18'-0" Diameter x 22'-0" Height; 1'-6" Freeboard	Stainless steel	39,020 gallons	310,000 gallons per day	Desulfurization	Level indicator	Raw Material Preparation System Building/Sumps Minimum capacity: 39,100 gallons which is the largest tank (39,020 gallons)
8	Center Mud Tank	Lead oxide; lead sulfate; lead carbonate; sodium sulfate; sodium carbonate	171, 132	D002, D004, D006, D008	18'-0" Diameter x 22'-0" Height; 1'-6" Freeboard	Stainless steel	39,020 gallons	310,000 gallons per day	Desulfurization	Level indicator	Raw Material Preparation System Building/Sumps Minimum capacity: 39,100 gallons which is the largest tank (39,020 gallons)
9	South Mud Tank	Lead oxide; lead sulfate; lead carbonate; sodium sulfate; sodium carbonate	171, 132	D002, D004, D006, D008	18'-0" Diameter x 22'-0" Height; 1'-6" Freeboard	Stainless steel	39,020 gallons	310,000 gallons per day	Desulfurization	Level indicator	Raw Material Preparation System Building/Sumps Minimum capacity: 39,100 gallons which is the largest tank (39,020 gallons)
10	Acid Storage Tank	24% sulfuric acid solution	724, 792	D002, D008	12'-0" Diameter x 16'-0" Height; No Freeboard	Stainless steel	13,535 gallons	Not applicable	Not applicable	Level monitor	Raw Material Preparation System Building/Sumps Minimum capacity: 39,100 gallons which is the largest tank (39,020 gallons)

ATTACHMENT C (CONT.)

Unit No.	Unit Description	Content	Waste Codes		Tank/Unit Size	Tank/Unit Material	Capacity	Treatment Rate	Treatment Type	Overfill Protection	Secondary Containment
			CA	RCRA							
11	Overflow Tank	Sodium sulfate solution	132	D002, D004, D006, D008	12'-0" Diameter x 14'-0" Height; 1'-0" Freeboard	Fiberglass reinforced plastic	11,844 gallons	Not applicable	Not applicable	Level monitor	Raw Material Preparation System Building/Sumps Minimum capacity: 39,100 gallons which is the largest tank (39,020 gallons)
12	Paste Thickening Unit (Santa Maria)	Lead oxide; lead sulfate; lead carbonate; sodium sulfate; sodium carbonate	171, 724, 792	D002, D004, D006, D008	28'-0" Length x 9'-6" Width x 20'-0" Height; 1'-0" Freeboard	Stainless steel	27,000 gallons	310,000 gallons per day	Gravity separation	Overflows to permitted unit No. 11	Raw Material Preparation System Building/Sumps Minimum capacity: 39,100 gallons which is the largest tank (39,020 gallons)
13	Sink/Float Separator	Plastic; rubber; dilute sulfuric acid	181, 724, 792	D002, D008	8'-0" Width x 22'-2.4" Length x 0' to 4'-8" Height; 1'-0" Freeboard	Stainless steel	3,142 gallons	310,000 gallons per day	Gravity separation	Overflows to permitted unit No. 6	Raw Material Preparation System Building/Sumps Minimum capacity: 39,100 gallons which is the largest tank (39,020 gallons)
14	Recycle Tank	dilute sulfuric acid	724, 792	D002, D008	7'-0" Height x 22'-6" Length x 7'-6" Width	Stainless steel	3,209 gallons	Not applicable	Not applicable	Overflows to permitted unit No. 6	Raw Material Preparation System Building/Sumps Minimum capacity: 39,100 gallons which is the largest tank (39,020 gallons)
15	50K Tank	Rainwater; softener regeneration water; backwash water	132	D008	24'-0" Diameter x 18'-0" Height; 4'-0" Freeboard	A283 steel	47,378 gallons	Not applicable	Not applicable	Level monitor	Wastewater Treatment Containment Area Minimum capacity: 47,400 gallons which is the largest tank (47,378 gallons)

ATTACHMENT C (CONT.)

Unit No.	Unit Description	Content	Waste Codes		Tank/Unit Size	Tank/Unit Material	Capacity	Treatment Rate	Treatment Type	Overfill Protection	Secondary Containment
			CA	RCRA							
16	West Reaction Tank	Sodium sulfate solution; ferric hydroxide	132	D008	10'-0" Diameter x 24'-0" Height; 2'-6" Freeboard	A36 steel	12,631 gallons	310,000 gallons per day	pH adjustment	Overflows to permitted unit No. 17	Wastewater Treatment Containment Area Minimum capacity: 47,400 gallons which is the largest tank (47,378 gallons)
17	East Reaction Tank	Sodium sulfate solution; ferric hydroxide	132	D008	10'-0" Diameter x 24'-0" Height; 2'-6" Freeboard	A36 steel	12,631 gallons	310,000 gallons per day	pH adjustment	Overflows to permitted unit No. 20	Wastewater Treatment Containment Area Minimum capacity: 47,400 gallons which is the largest tank (47,378 gallons)
18	Pump Tank	Sodium sulfate solution	132	D008	8'-0" Diameter x 9'-0" Height; 1'-0" Freeboard	Fiberglass reinforced plastic	3,008 gallons	Not applicable	Not applicable	Level controller	Wastewater Treatment Containment Area Minimum capacity: 47,400 gallons which is the largest tank (47,378 gallons)
19	Sludge Tank	Sodium sulfate solution; ferric hydroxide	171	D008	9'-0" Diameter x 16'-8" Height; 1'-2" Freeboard	A36 steel	8,589 gallons	Not applicable	Not applicable	Overflows to permitted unit No. 15	Wastewater Treatment Containment Area Minimum capacity: 47,400 gallons which is the largest tank (47,378 gallons)
20	Delta Stack Flocculation	Sodium sulfate solution	132	D008	6'-0" Diameter x 7'-0" Height; 2'-3" Freeboard	Stainless steel	1,005 gallons	310,000 gallons per day	Flocculation	Overflows to permitted unit No. 21	Wastewater Treatment Containment Area Minimum capacity: 47,400 gallons which is the largest tank (47,378 gallons)

ATTACHMENT C (CONT.)

ATTACHMENT C (CONT.)

Unit No.	Unit Description	Content	Waste Codes		Tank/Unit Size	Tank/Unit Material	Capacity	Treatment Rate	Treatment Type	Overfill Protection	Secondary Containment
			CA	RCRA							
21	Delta Stack Clarifier	Sodium sulfate; ferric chloride	132	D008	11'-9" Diameter x 6'-7" Height; 2'-3" Freeboard	Stainless steel	6,272 gallons	310,000 gallons per day	Clarification (Separation)	Overflows to permitted unit No. 18	Wastewater Treatment Containment Area Minimum capacity: 47,400 gallons which is the largest tank (47,378 gallons)
22	East Equalization Tank	Sodium sulfate solution	132	D008	18'-0" Diameter x 22'-0" Height; 1'-6" Freeboard	Fiberglass reinforced plastic	39,020 gallons	Not applicable	Not applicable	Level controller	'Concrete' Yard System Minimum capacity: 48,200 gallons which is the largest tank (48,126 gallons)
23	West Equalization Tank	Sodium sulfate solution	132	D008	18'-0" Diameter x 22'-0" Height; 1'-6" Freeboard	Fiberglass reinforced plastic	39,020 gallons	Not applicable	Not applicable	Underflows to permitted unit No. 22	'Concrete' Yard System Minimum capacity: 48,200 gallons which is the largest tank (48,126 gallons)
24	North Oxidation Tank	Sodium sulfate solution	132	D008	16'-0" Diameter x 35'-0" Height; 3'-0" Freeboard	Fiberglass reinforced plastic	48,126 gallons	43,200 gallons per day	Oxidation	Overflows to permitted unit No. 25	'Concrete' Yard System Minimum capacity: 48,200 gallons which is the largest tank (48,126 gallons)
25	South Oxidation Tank	Sodium sulfate solution	132	D008	16'-0" Diameter x 35'-0" Height; 3'-0" Freeboard	Fiberglass reinforced plastic	48,126 gallons	43,200 gallons per day	Oxidation	Overflows to permitted unit No. 23	'Concrete' Yard System Minimum capacity: 48,200 gallons which is the largest tank (48,126 gallons)
26	pH Adjustment Tank #1	Sodium sulfate solution	132	D002, D008	9'-0" Diameter x 9'-0" Height; No Freeboard	Fiberglass reinforced plastic	4,283 gallons	310,000 gallons per day	pH adjustment	Overflows to permitted unit No. 27	Raw Material Preparation System Building/Sumps Minimum capacity: 39,100 gallons which is the largest tank (39,020 gallons)

ATTACHMENT C (CONT.)

ATTACHMENT C (CONT.)

Unit No.	Unit Description	Content	Waste Codes		Tank/Unit Size	Tank/Unit Material	Capacity	Treatment Rate	Treatment Type	Overfill Protection	Secondary Containment
			CA	RCRA							
27	pH Adjustment Tank #2	Sodium sulfate solution	132	D002, D008	9'-0" Diameter x 9'-0" Height; No Freeboard	Fiberglass reinforced plastic	4,283 gallons	310,000 gallons per day	pH adjustment	Overflows to permitted unit No. 28	Raw Material Preparation System Building/Sumps Minimum capacity: 39,100 gallons which is the largest tank (39,020 gallons)
28	pH Adjustment Tank #3	Sodium sulfate solution	132	D002, D008	9'-0" Diameter x 9'-0" Height; No Freeboard	Fiberglass reinforced plastic	4,283 gallons	310,000 gallons per day	pH adjustment	Level controller	Raw Material Preparation System Building/Sumps Minimum capacity: 39,100 gallons which is the largest tank (39,020 gallons)
29	Process Tank	Sodium sulfate solution	132	D002, D008	16'-0" Diameter x 22'-0" Height; 1'-0" Freeboard	Fiberglass reinforced plastic	31,583 gallons	310,000 gallons per day	Coagulation	Overflows to permitted unit No. 26	'Concrete' Yard System Minimum capacity: 48,200 gallons which is the largest tank (48,126 gallons)
30	Filtrate Tank	Sodium sulfate solution	132	D008	16'-0" Diameter x 24'-0" Height; 1'-0" Freeboard	A36 steel	34,591 gallons	Not applicable	Not applicable	Overflows to permitted unit No. 23	'Concrete' Yard System Minimum capacity: 48,200 gallons which is the largest tank (48,126 gallons)
31	North Flue Dust Slurry Sump	Lead dust slurry	172	K069	9'-4½" x 5' Oblong x 5' Deep	Double-walled stainless steel in reinforced concrete	1,600 gallons	Not applicable	Not applicable	Level gauge	Not applicable - double-walled tank with leak detection
32	South Flue Dust Slurry Sump	Lead dust slurry	172	K069	9'-4½" x 5' Oblong x 5' Deep	Double-walled stainless steel in reinforced concrete	1,600 gallons	Not applicable	Not applicable	Level gauge	Not applicable - double-walled tank with leak detection

ATTACHMENT C (CONT.)

Unit No.	Unit Description	Content	Waste Codes		Tank/Unit Size	Tank/Unit Material	Capacity	Treatment Rate	Treatment Type	Overfill Protection	Secondary Containment
			CA	RCRA							
33	Reverb Furnace Feed Room	Reverb Furnace feed	171, 172, 181	D002, D004, D006, D008	16,325 square feet	Sloped reinforced concrete	9,460 tons	Not applicable	Not applicable	Curbs at doorways	Not applicable - double-lined with leak detection
34	Blast Furnace Feed Room	Blast Furnace feed	171, 172, 181	D004, D006, D008	11,250 square feet	Sloped reinforced concrete	3,210 tons	Not applicable	Not applicable	Curbs at doorways	Not applicable - no free liquids
35	Mobile Equipment Wash Station	Wash water with varying lead concentrations	132	D008	20'-0" x 30'-0" sloped bottom	Reinforced concrete	3,321 gallons	Not applicable	Not applicable	Level controller	Not applicable - double-walled tank with leak detection
36	Reverb Furnace	Lead; lead alloys	171, 172, 181	D004, D006, D008	19'-0" Width x 39'-5" Length x 12'-9" Height	Refractory brick, exterior support frame	43.37 cubic yards	450 tons per day	Metallurgical reduction	Operational procedures	Smelter Building
37	Blast Furnace	Lead; lead alloys	171, 172, 181	D004, D006, D008	6'-8" Width x 8'-7" Length x 23'-3" Height	Water jacketed steel	3.94 cubic yards	250 tons per day	Metallurgical reduction	Operational procedures	Smelter Building
38	WWTP Area Sump	Sodium sulfate solution	132	D008	4'-0" Width x 4'-0" Length x 4'-0" Height	Double-walled stainless steel in reinforced concrete	479 gallons	Not applicable	Not applicable	Level controller	Not applicable - Double-walled tank with leak detection
39	WWTP Filter Press Sump	Sodium sulfate solution	132	D008	3'-0" Width x 3'-0" Length x 3'-0" Height	Double-walled stainless steel in reinforced concrete	202 gallons	Not applicable	Not applicable	Level controller	Not applicable - Double-walled tank with leak detection

ATTACHMENT C (CONT.)

Unit No.	Unit Description	Content	Waste Codes		Tank/Unit Size	Tank/Unit Material	Capacity	Treatment Rate	Treatment Type	Overfill Protection	Secondary Containment
			CA	RCRA							
40	RMPS Hammer Mill	Spent lead-acid batteries	181 724 792	D002 D004 D006 D008	89.5" Width x 66.5" Depth x 39" Height	Stainless steel	Not applicable	53 tons per hour	Crushing	Not applicable	Raw Material Preparation System Building/Sumps minimum capacity: 39,100 gallons which is the largest tank (39,020 gallons)
41	Waste Acid Circulation Tank	Sodium sulfate solution	132 792	D002 D004 D006 D008	5' Width x 4' Depth x 5' Height; 0.5" Freeboard	Stainless steel	675 gallons	1,440 gallons per day	Separation	Level gauge	Raw Material Preparation System Building/Sumps minimum capacity: 39,100 gallons which is the largest tank (39,020 gallons)
42	East Elutriation Column	Dilute sulfuric acid; plastic; rubber; lead metal	181 724 792	D002 D008	21.2" Diameter x 68.5" Length; Taper to 26.5" Diameter x 18" Length; 26.5" Diameter x 25.5" Length	Stainless steel	Not applicable	310,000 gallons per day	Gravity separation	Not applicable	Raw Material Preparation System Building/Sumps minimum capacity: 39,100 gallons which is the largest tank (39,020 gallons)
43	West Elutriation Column	Dilute sulfuric acid; plastic; rubber; lead metal	181 724 792	D002 D008	21.2" Diameter x 68.5" Length; Taper to 26.5" Diameter x 18" Length; 26.5" Diameter x 25.5" Length	Stainless steel	Not applicable	310,000 gallons per day	Gravity separation	Not applicable	Raw Material Preparation System Building/Sumps minimum capacity: 39,100 gallons which is the largest tank (39,020 gallons)
44	RMPS Filter Press	Lead oxide; lead sulfate; lead carbonate; sodium sulfate; sodium carbonate	171 132	D002 D004 D006 D008	42"-1" Width x 6'-2" Depth x 5'-10" Height	Cast iron coated with acid-resistant paint	Not applicable	310,000 gallons per day	Dewatering	Not applicable	Raw Material Preparation System Building/Sumps minimum capacity: 39,100 gallons which is the largest tank (39,020 gallons)
45	WWTP Filter Press	Sodium sulfate solution; ferric hydroxide	171	D008	25'-10.5" Width x 7'-11" Depth x 6'-10.5" Height	Cast iron coated with acid-resistant paint	Not applicable	310,000 gallons per day	Dewatering	Not applicable	Wastewater Treatment Containment Area Maximum Capacity: 47,400 gallons which is the largest tank (47,378 gallons)

ATTACHMENT D

SOLID WASTE MANAGEMENT UNITS SUMMARY

INFORMATION REGARDING POTENTIAL RELEASES FROM SOLID WASTE MANAGEMENT UNITS

FACILITY NAME: GNB Technologies Inc.

EPA I.D. NUMBER: CAD097854541

LOCATION City Vernon

State California

1. Are there any of the following solid waste management units (existing or closed) at your facility? NOTE.- DO NOT INCLUDE HAZARDOUS WASTE UNITS CURRENTLY SHOWN IN YOUR PART A OR B APPLICATION

	<u>Yes</u>	<u>No</u>
• Landfill	<u>X</u>	
• Surface Impoundment	<u>—</u>	<u>X</u>
• Land Farm	<u>—</u>	<u>X</u>
• Incinerator	<u>—</u>	<u>Y</u>
• Storage Tank (Above Ground)	<u>Y</u>	<u>—</u>
• Storage Tank (Underground)	<u>—</u>	<u>X</u>
• Container Storage Area	<u>Y</u>	<u>—</u>
• Injection Wells	<u>—</u>	<u>Y</u>
• Wastewater Treatment Units	<u>X</u>	<u>—</u>
• Transfer Stations	<u>—</u>	<u>X</u>
• Waste Recycling Operations	<u>X</u>	<u>—</u>
• Other Waste Handling Areas Not Covered Above	<u>Y</u>	<u>—</u>

2. If there are "Yes" answers to any of the items in Number 1 above, please provide a description of the wastes that were stored, treated or disposed of in each unit. In particular, please focus on whether or not the wastes would be considered as hazardous waste or hazardous constituents under RCRA. Also, include any available data on quantities or volumes of wastes disposed of and the dates of disposal. Please also provide a description of each unit and include capacity, dimensions, location at facility, provide a site plan if available.

See Section 15

NOTE: Hazardous wastes are those identified in 40 CFR Part 261. Hazardous constituents are those listed in Appendix VIII of 40 CFR Part 261.

3. For the units noted in Number 1 above and also those hazardous waste units in your Part A or B application, please describe for each unit any data available on any prior or current releases of hazardous wastes or constituents to the environment that may have occurred in the past or may still be occurring.

Please provide the following information:

- a. Date of release
- b. Type of waste released
- c. Quantity or volume of waste released
- d. Describe nature of release (i.e., spill, overflow, ruptured pipe or tank, etc.)

See Section 15

4. In regard to the prior releases described in Number 3 above, please provide (for each unit) any analytical data that may be available which would describe the nature and extent of environmental contamination that exists as a result of such releases. Please focus on concentrations of hazardous wastes or constituents present in contaminated soil or groundwater.

See Section 15

5. Describe the approximate dates and locations of product spills and releases which have occurred or are recurring at your facility and any cleanup operations which have occurred relative to these incidents.


See Section 15

ATTACHMENT E

Signature and Certification

As with reports in RCRA Permit Applications, submittal of this information must contain the following certification and signature by a principal executive officer, of at least the level of Vice President or by a duly authorized representative of that person:

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.



Signature

John Tapper, Vice President
Name and Title (Typed)

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